

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	32	(capacit\$4 near3 sens\$4) and electrode\$4 and (nonlinear (non adj2 linear) non-linear) and (((add\$4 sum\$4) near3 (output\$2)) same position)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/08/30 10:54
L2	1	"6288707".pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/08/30 09:44
L3	17	("6288707").URPN.	USPAT	OR	OFF	2006/08/30 09:44
L4	10	("6452514").URPN.	USPAT	OR	OFF	2006/08/30 09:55
L5	1	"5812057".pn.	USPAT	OR	OFF	2006/08/30 10:06
L6	86	324/686-690.ccls. and (non-linear ((non "not") adj linear) nonlinear)	USPAT	OR	OFF	2006/08/30 10:55
L7	107	324/686-690.ccls. and (non-linear ((non "not") adj linear) nonlinear)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 10:07
L8	16	7 and (ratio same linear)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 10:07
L9	0	(capacit\$4 near3 sens\$4).clm. and electrode\$4.clm. and (nonlinear (non adj2 linear) non-linear).clm. and (((add\$4 sum\$4) near3 (output\$2)) same position).clm.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/08/30 10:55
L10	35	(capacit\$4 near3 sens\$4).clm. and (non-linear ((non "not") adj linear) nonlinear).clm.	US-PGPUB	OR	OFF	2006/08/30 11:03
L11	4	(capacit\$4 near3 sens\$4).clm. and (non-linear ((non "not") adj linear) nonlinear).clm. and (sum summation add addition).clm.	US-PGPUB	OR	OFF	2006/08/30 11:03
S1	1	"20040104826"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 09:20
S2	3	("5730165" "6288707" "6466036").pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 08:20

## EAST Search History

S3	6	("4476463"   "4622437"   "4736191"   "5365461"   "5457289"   "5914465").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 12:40
S4	13	("3886447"   "4054833"   "4806846"   "4977480"   "5329239"   "5343157"   "5537054"   "5705807"   "5726581"   "5730165"   "6188228"   "6242927"   "6278283").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 12:08
S5	3	("5730165" "6288707" "6466036").pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 12:13
S6	0	(S3 or S4 or S5) and ((conduct\$5 and gap) with sensor)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 12:15
S7	0	(S3 or S4 or S5) and ((conduct\$5 with gap) with sensor)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 12:15
S8	0	(S3 or S4 or S5) and ((conduct\$5 with gap) same sensor)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 12:15
S9	1	"6288707".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/03 12:40
S10	1	"5914465".pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:05
S11	328	324/658-662.ccls. and (((plurality two many dual multi) near2 (electrode\$1)))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 10:17
S12	2	324/658-662.ccls. and (((plurality two many dual multi) near2 (electrode\$1))) with channel)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:13
S13	2	324/658-662.ccls. and (position and (((plurality two many dual multi) near2 (electrode\$1))) with channel))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:16
S14	1236	(capacit\$3 near2 (sensor sensing)) with position	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:54

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S15	183	S14 and "324"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:58
S16	67	324/658-662.ccls. and (capacit\$3 near2 (sensor sensing)) with position	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 16:32
S17	42	S16 and electrode\$1	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:16
S18	0	"62466036"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:49
S19	4	"6466036"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:49
S20	1695	(capacit\$3 near2 (sensor sensing measure measuring measurement)) with position	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:57
S21	101	S20 and (324/658-662).ccls.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:57
S22	47	345/173-178.ccls. and S14	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:58
S23	34	S22 and electrode\$1	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 15:58
S24	44	324/663,665,676,678,679.ccls. and ((capacit\$3 near2 (sensor sensing measure measure measurement)) with position)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 16:34
S25	29	S24 and (electrode\$1)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/03 16:44
S26	3	("5730165" "6288707" "6466036").pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 08:20

## EAST Search History

S27	32	((determin\$4 sens\$4 detect\$4 measur\$4) near3 (water adj2 level)) with resistor	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 09:39
S28	4	("6373265" "6530283" "6159761" "6158291").pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 09:35
S29	15	("3727128" "3870953" "4005363" "4165482" "4176339" "4853950" "5083086" "5352994" "5600248" "5748002" "5841273" "6137293" "6268721" "6307380").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 09:35
S30	100	((determin\$4 sens\$4 detect\$4 measur\$4) near3 (position)) with ((single one lone discrete) near2 resistor)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 09:44
S31	11	S30 and "324"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 09:45
S32	116	((determin\$4 sens\$4 detect\$4 measur\$4) near3 (position)) with (resistive adj2 (sensor detector))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 09:44
S33	24	S32 and "324"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 09:48
S34	12	(S30 or S32) and 345/173-178.ccls.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 09:49
S35	151	324/658-662.ccls. and (resistor with (detect\$4 sensor\$4))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 10:18
S36	50	324/658-662.ccls. and (resistor near3 (detect\$4 sensor\$4))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 15:46
S37	1	"5914465".pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 13:36
S43	67216	"324"/\$.ccls.	USPAT	OR	OFF	2005/03/04 13:39
S44	1	"6466036".pn.	USPAT	OR	OFF	2005/03/04 13:39
S45	0	S44 and ("not" near5 switch\$5)	USPAT	OR	OFF	2005/03/04 13:39

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S46	0	S44 and ("not comprising" near5 switch\$5)	USPAT	OR	OFF	2005/03/04 15:16
S47	1	"20020140440"	US-PGPUB; USPAT	OR	OFF	2005/03/04 15:41
S48	1	"6559658".pn.	US-PGPUB; USPAT	OR	OFF	2005/03/04 15:41
S49	1	"4622437".pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/03/04 15:47
S50	1	"6288707".pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/17 11:53
S51	1	"20040104826"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/17 15:41
S52	1	"5914465".pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/17 16:38
S53	1	"20040128743"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/17 17:37
S54	6	702/86.ccls. and (capacit\$4 near3 sens\$3)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/17 17:51
S55	65	324/658-663.ccls. and ((non-linear (non adj linear) invers\$3) near4 output)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 08:54
S56	19	73/514.32.ccls. and ((non-linear (non adj linear) logarith\$3 exponent\$3) near4 output)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 09:12
S57	30	324/658-663,686-688.ccls. and ((non-linear (non adj linear) logarith\$3 exponent\$3) near4 output)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 09:38
S58	2	("5415040"   "5495414").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 09:35

## EAST Search History

S59	0	(capacit\$4 near3 sens\$3) and (((non-linear (non adj linear) logarith\$3 exponent\$3) near4 output) with (ratio near3 linear\$3))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 09:37
S60	2	(capacit\$4 near3 sens\$3) and (((non-linear (non adj linear) logarith\$3 exponent\$3) near4 output) same (ratio near3 linear\$3))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 09:37
S61	2	(capacit\$4 near3 sens\$3) and (((non-linear (non adj linear) logarith\$3 exponent\$3) near4 output) same (ratio near3 linear\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/18 10:13
S62	29	702/86.ccls. and ((non-linear (non adj linear) logarith\$3 exponent\$3) near4 output)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 09:38
S63	28	S62 not (S57 or S56)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 10:02
S64	0	702/64-65,57,150.ccls. and ((capacit\$3 near2 (sens\$2 load)) with ((non-linear (non adj linear) logarith\$3 exponent\$3) near4 output))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 10:03
S65	0	702/64-65,57,150.ccls. and ((capacit\$3 near2 (sens\$2 load)) with ((non-linear (non adj linear) logarith\$3 exponent\$3)))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 10:03
S66	1	702/64-65,57,150.ccls. and ((capacit\$3 near2 (sens\$2 load)) same ((non-linear (non adj linear) logarith\$3 exponent\$3)))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 10:20
S67	14	(capacit\$4 near3 (sens\$3 load)) and (((non-linear (non adj linear) logarith\$3 exponent\$3) near4 output) same (ratio with linear\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/18 10:14
S68	0	345/610.ccls. and ((capacit\$3 near2 (sens\$2 load)) same ((non-linear (non adj linear) logarith\$3 exponent\$3)))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 10:21

## EAST Search History

S69	0	345/610.ccls. and ((capacit\$3 near2 (sens\$2 load)))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 10:21
S70	3	345/610.ccls. and (((non-linear (non adj linear) logarith\$3 exponent\$3)))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 10:28
S71	2	("4873655" "4581714").pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 11:25
S72	78	deb-anjan.xp. and (capacit\$4)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 11:27
S73	27	S72 and (linear non-linear (non adj linear) exponent\$3 logarith\$3)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/08/18 11:31
S74	135	capacit\$4 and (((non-linear logarith\$3 exponent\$3) with (output)) same (ratio near5 linear\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/18 11:36
S75	141	702/86.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/18 11:40
S76	23	("4476463" "5079500" "5305017" "5461319" "5730165" "6178818" "6288707" "6452514" "6457355" "6466036" "5920131").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/18 11:40
S77	11	("4476463" "5079500" "5305017" "5461319" "5730165" "6178818" "6288707" "6452514" "6457355" "6466036" "5920131").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 11:45
S78	5	S77 and (non-linear logarith\$4 exponent\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 13:11
S79	1	"6304091".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 14:46

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S80	1	"20040104826"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 16:11
S81	1	"5730165".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 16:12
S82	1	"6288707".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 16:27
S83	6	324/658-662.ccls. and (sum with threshold)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 16:51
S84	312	(capacit\$4 near3 (sens\$3)) and (sum with threshold)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 16:54
S85	41	(capacit\$4 near3 (sens\$3)) and ((sum with threshold) with detect\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 17:21
S86	0	2005/0145030	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 17:21
S87	1	"20050145030"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 17:21
S88	1	"4158133".pn.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/03/29 15:31
S89	749	(Bigelow.in.)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/03/29 15:32
S90	0	S89 and (capacitiv\$4 near3 sensor)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/03/29 15:33
S91	71	S89 and (capacit\$5)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/03/29 15:50
S92	11	324/658-662,686-690.ccls. and (((sum summation addition add) with (output\$1 channel\$1)) same threshold)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/03/29 15:56



## EAST Search History

S93	11	324/658-662,686-690.ccls. and (((sum summation addition add) with (output\$1 channel\$1)) same threshold)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 15:57
S94	25	324/658-662,686-690.ccls. and (((sum summation addition add) with (output\$1 channel\$1)) same (threshold limit limitation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 15:57
S95	1	"4158133".pn.	USPAT	OR	OFF	2006/03/30 16:04
S96	40	"204"/\$.ccls. and (biochip\$1)	USPAT	OR	OFF	2006/03/30 16:04
S97	4	"324"/\$.ccls. and (biochip\$1)	USPAT	OR	OFF	2006/03/30 16:16
S98	498	"435"/\$.ccls. and (biochip\$1)	USPAT	OR	OFF	2006/03/30 16:16